
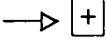


1048 U.S. PTO  
03/07/01

03-09-01

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PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>UTILITY PATENT APPLICATION TRANSMITTAL</b>  (Only for new nonprovisional applications under 37 CFR 1.53(b))	Attorney Docket No.	PP-17149.001 / 201130.40901
	First Inventor	Nobuyuki Itoh
	Title	HUMAN FGF-23 GENE AND GENE EXPRESSION PRODUCTS
	Express Mail Label No.	EL615487095US

<b>APPLICATION ELEMENTS</b> <i>See MPEP chapter 600 concerning utility patent application contents.</i>	<b>ADDRESS TO:</b> Assistant Commissioner for Patents Box Patent Application Washington, DC 20231
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1. ☒ **Fee Transmittal Form** (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)

2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.

3. ☒ **Specification** [Total Pages 57]  
(preferred arrangement set forth below)  
- Descriptive title of the invention  
- Cross Reference to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Reference to sequence listing, a table,  
or a computer program listing appendix  
- Background of the invention  
- Brief Summary of the invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure

4. ☒ **Drawing(s)** (35 U.S.C. 113) [Total Sheets 19]

5. Oath or Declaration [Total Pages 2]  
a. ☒ **Unsigned**  
b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for a continuation/divisional with Box 18 completed)  
i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).

6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)  
a. ☐ Computer Readable Form (CRF)  
b. Specification Sequence Listing on:  
i. ☐ CD-ROM or CD-R (2 copies); or  
ii. ☐ paper  
c. ☐ Statements verifying identity of above copies


<b>ACCOMPANYING APPLICATION PARTS</b>	
9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))	
10. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee)	<input type="checkbox"/> Power of Attorney
11. <input type="checkbox"/> English Translation Document (if applicable)	
12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449	<input type="checkbox"/> Copies of IDS Citations
13. <input type="checkbox"/> Preliminary Amendment	
14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)	
15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)	
16. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.	
17. <input checked="" type="checkbox"/> Other: Check	

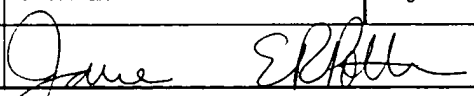
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: \_\_\_\_ / \_\_\_\_

Prior application Information: Examiner \_\_\_\_ Group Art Unit: \_\_\_\_

**Claims priority from Provisional Application Nos. 60/187,854 filed March 8, 2000; 60/233,368 filed September 18, 2000; and 60/251,650 filed December 5, 2000**

<b>19. CORRESPONDENCE ADDRESS</b>			
<input checked="" type="checkbox"/> Customer Number or Bar Code Label	 <b>00500</b> PATENT TRADEMARK OFFICE	or <input type="checkbox"/> Correspondence address below	
Name	Telephone		
Address	Fax		
City	State	Zip Code	
Country			

Name (Print/Type)	Jane E. R. Potter	Registration No. (Attorney/Agent)	33,332
Signature		Date	March 7, 2001

Document 7(11-30-00)

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

<h1 style="margin: 0;">FEE TRANSMITTAL</h1> <h2 style="margin: 0;">for FY 2001</h2> <p style="margin: 5px 0;"><i>Patent fees are subject to annual revision.</i></p>		<p style="text-align: center; margin: 0;"><b>Complete if Known</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>Not assigned yet</td> </tr> <tr> <td>Filing Date</td> <td>March 7, 2001</td> </tr> <tr> <td>First Named Inventor</td> <td>Nobuyuki Itoh</td> </tr> <tr> <td>Examiner Name</td> <td>Not assigned yet</td> </tr> <tr> <td>Group Art Unit</td> <td>Not assigned yet</td> </tr> <tr> <td>Attorney Docket No.</td> <td>PP-17150.001 / 201130.40901</td> </tr> </table>		Application Number	Not assigned yet	Filing Date	March 7, 2001	First Named Inventor	Nobuyuki Itoh	Examiner Name	Not assigned yet	Group Art Unit	Not assigned yet	Attorney Docket No.	PP-17150.001 / 201130.40901
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Examiner Name	Not assigned yet														
Group Art Unit	Not assigned yet														
Attorney Docket No.	PP-17150.001 / 201130.40901														
TOTAL AMOUNT OF PAYMENT	(\$)	2,790.00													

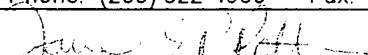
METHOD OF PAYMENT	
1. <input type="checkbox"/>	The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:
Deposit Account Number	19-1090
Deposit Account Name	Seed Intellectual Property Law Group PLLC
<input checked="" type="checkbox"/>	Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
<input type="checkbox"/>	Applicant claims small entity status. See 37 CFR 1.27
2. <input checked="" type="checkbox"/>	Payment Enclosed:
<input checked="" type="checkbox"/>	Check
<input type="checkbox"/>	Credit card
<input type="checkbox"/>	Money Order
<input type="checkbox"/>	Other

FEE CALCULATION					
1. BASIC FILING FEE					
Large Entity		Small Entity			
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	710
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	
SUBTOTAL (1)					(\$) 710

2. EXTRA CLAIM FEES																																								
Total Claims	60	** =	40	X	18																																			
Independent Claims	20	** =	17	X	80																																			
Multiple Dependent				X																																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th></th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> </tr> <tr> <td>103</td> <td>18</td> <td>203</td> <td>9</td> <td>Claims in excess of 20</td> </tr> <tr> <td>102</td> <td>80</td> <td>202</td> <td>40</td> <td>Independent claims in excess of 3</td> </tr> <tr> <td>104</td> <td>270</td> <td>204</td> <td>135</td> <td>Multiple dependent claim, if not paid</td> </tr> <tr> <td>109</td> <td>80</td> <td>209</td> <td>40</td> <td>** Reissue independent claims over original patent</td> </tr> <tr> <td>110</td> <td>18</td> <td>210</td> <td>9</td> <td>** Reissue claims in excess of 20 and over original patent</td> </tr> </table>						Large Entity		Small Entity			Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	103	18	203	9	Claims in excess of 20	102	80	202	40	Independent claims in excess of 3	104	270	204	135	Multiple dependent claim, if not paid	109	80	209	40	** Reissue independent claims over original patent	110	18	210	9	** Reissue claims in excess of 20 and over original patent
Large Entity		Small Entity																																						
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110	18	210	9	** Reissue claims in excess of 20 and over original patent																																				
SUBTOTAL (2)					(\$) 2080																																			

\*\*or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES					
Large Entity		Small			
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	130	123	130	Petitions related to provisional applications	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify) _____					
*Reduced by Basic Filing Fee Paid					
SUBTOTAL (3)					(\$) 0

SUBMITTED BY			
Name (Print/Type)	Jane E. R. Potter	Registration No. Attorney/Agent)	33,332
Firm Name/Address	Seed Intellectual Property Law Group PLLC 701 Fifth Avenue, Suite 6300 Seattle, Washington 98104-7092 Phone: (206) 622-4900 Fax: (206) 682-6031		
Signature		Date	March 7, 2001



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PATENT TRADEMARK OFFICE

JC915 U.S. PTO  
 09/801968  
 03/07/01



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Nobuyuki Itoh, Kyoto, Japan and  
W. Michael Kavanaugh, Mill Valley, California  
Filed : March 7, 2001  
For : HUMAN FGF-23 GENE AND GENE EXPRESSION PRODUCTS



Docket No. : PP-17150.001 / 201130.40901

Date : March 7, 2001

Box Patent Application  
Commissioner for Patents  
Washington, DC 20231

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

Commissioner for Patents:

I hereby certify that the enclosures listed below are being deposited with the United States Postal Service "EXPRESS MAIL Post Office to Addressee" service under 37 C.F.R. § 1.10, Mailing Label Certificate No. EL615487095US, on March 7, 2001, addressed to Box Patent Application, Commissioner for Patents, Washington, DC 20231.



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PATENT TRADEMARK OFFICE

Respectfully submitted,

Seed Intellectual Property Law Group PLLC

*Steve Plante*

Steve Plante

JEP:cew

U: CarolW\201130\40901\ Application